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#### IN THE CLAIMS

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Please amend the claims as follows:

1. (PREVIOUSLY PRESENTED) A golf ball comprising:

a center core component formed from a first composition comprising a sulfur cured cis-1,4 polybutadiene;

at least one core layer disposed about said center core component thereby forming an intermediate ball, said core layer formed from a second composition comprising at least one material selected from the group consisting of cis1,4 polybutadiene, polyisoprene, EPR, EPDM, styrene-butadiene rubber, natural rubber, and mixtures thereof; and a peroxide curing agent; and

at least one cover layer disposed about said core layer thereby forming said golf ball.

- 2. (ORIGINAL) The golf ball of claim 1 wherein said center core component has a diameter of from about 0.35 inches to about 1.20 inches.
- 3. (PREVIOUSLY PRESENTED) The golf ball of claim 2 wherein said center core component is free of carboxylic acid salt.
- 4. (ORIGINAL) The golf ball of claim 1 wherein said core layer has a diameter of from about 1.450 inches to about 1.650 inches.
- 5. (ORIGINAL) The golf ball of claim 1 wherein said golf ball has a Shore D cover hardness of from about 35 to about 90.
- 6. (CURRENTLY AMENDED) The golf ball of claim 1 wherein said sulfur cured polybutadiene has a cis-1,4 content greater than 90 percent.
- 7. (ORIGINAL) The golf ball of claim 1 wherein said center core component has a specific gravity of from about 1.0 to about 1.8.

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- 8. (ORIGINAL) The golf ball of claim 1 wherein said center core component exhibits a specific gravity of less than 1.0.
- 9. (ORIGINAL) The golf ball of claim 1 wherein said center core component comprises microballoons, cellular foam materials, or combinations thereof.
- 10. (PREVIOUSLY PRESENTED) The golf ball of claim 1 wherein said polybutadiene has been sulfur cured with a sulfur curing agent comprising at least one of N-oxydiethylene 2-benzothiazole sulfenamide, N,N-di-orthotolyguanidine, bismuth dimethyldithiocarbamate, N-cyclohexyl 2-benzothiazole sulfenamide, N,N-di-orthotolyguanidine or combinations thereof.
- 11. (ORIGINAL) The golf ball of claim 1 wherein said first composition also comprises an accelerator.
- 12. (ORIGINAL) The golf ball of claim 11 wherein said accelerator comprises at least one of mercaptobenzothiazoles, sulfenamides, dithiocarbamates, thiuram sulfides, guanidines, thioureas, xanthates, dithiophosphates, aldehyde-amines, dibenzothiadyl disulfide, N,N'-diccyclohexyl-2-benzothiadylsulfenamide, hexamethylenetetramine, mercaptbenzothiazole, tetramethylthiuram disulfide, tetrabutylthiuram disulfide or combinations thereof.
- 13. (ORIGINAL) The golf ball of claim 1 wherein said peroxide curing agent comprises at least one of dicumyl peroxide; 2,5-dimethyl-2,5-di(t-butylperoxy) hexane; 2,5-dimethyl-2,5-di(t-butylperoxy) hexane; 2,5-dimethyl-2,5-di(benzoylperoxy) hexane; 2,2'-bis(t-butylperoxy)-di-iso-propylbenzene; 1,1-bis(t-butylperoxy)-3,3,5-trimethyl cyclohexane; n-butyl 4,4-bis(t-butyl-peroxy) valerate; t-butyl perbenzoate; benzoyl peroxide; t-butyl peroxy-3,5,5 trimethylhexanoate or combinations thereof.

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#### 14 - 16. (CANCELED)

#### 17. (PREVIOUSLY PRESENTED) A golf ball comprising:

a centrally disposed inner core component comprising a sulfur cured cis-1,4 polybutadiene, said inner core component having a Shore A hardness of from about 60 to about 90;

at least one core layer disposed on said inner core component, said core layer having a generally uniform thickness and comprising at least one material selected from the group consisting of cis-1,4 polybutadiene, polylsoprene, EPR, EPDM, styrene-butadiene rubber, natural rubber, and mixtures thereof; and a peroxide curing agent, said core layer having a Shore D hardness of from about 40 to about 60; and at least one cover layer disposed on said core layer.

- 18. (CURRENTLY AMENDED) The golf ball of claim 17 wherein said sulfur cured polybutadiene has a cis-1,4 content greater than 90 percent.
- 19. (ORIGINAL) The golf ball of claim 17 wherein at least one of said inner core component and said core layer comprises a blend of at least two polybutadienes.
- 20. (PREVIOUSLY PRESENTED) The golf ball of claim 17 wherein said inner core component is free of carboxylic acid salt.
- 21. (PREVIOUSLY PRESENTED) The golf ball of claim 17 wherein said polybutadiene has been sulfur cured with a sulfur curing agent comprising at least one of N-oxydiethylene 2-benzothiazole sulfenamide, N,N-di-orthotolyguanidine, bismuth dimethyldithiocarbamate, N-cyclohexyl 2-benzothiazole sulfenamide, N,N-di-orthotolyguanidine or combinations thereof.

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- 22. (PREVIOUSLY PRESENTED) The golf ball of claim 17 wherein said peroxide curing agent comprises at least one of dicumyl peroxide; 2,5-dimethyl-2,5-di(t-butylperoxy) hexane; 2,5-dimethyl-2,5-di(t-butylperoxy) hexane; 2,5-dimethyl-2,5-di(benzoylperoxy) hexane; 2,2'-bis(t-butylperoxy)-di-iso-propylbenzene; 1,1-bis(t-butylperoxy)-3,3,5-trimethyl cyclohexane; n-butyl 4,4-bis(t-butyl-peroxy) valerate; t-butyl perbenzoate; benzoyl peroxide; t-butyl peroxy-3,5,5 trimethylhexanoate or combinations thereof.
- 23. (PREVIOUSLY PRESENTED) The golf ball of claim 17 wherein said first composition also comprises an accelerator.